

ECO-FRIENDLY PLASTICS

Integrating Sulfur Polymers

Purpose

Our project's main goal is to contribute in solving the problem of plastic pollution and making good use of the excess sulfur in Qatar. This project aims to solve both problems by integrating sulfur polymers into the manufacturing of plastic.

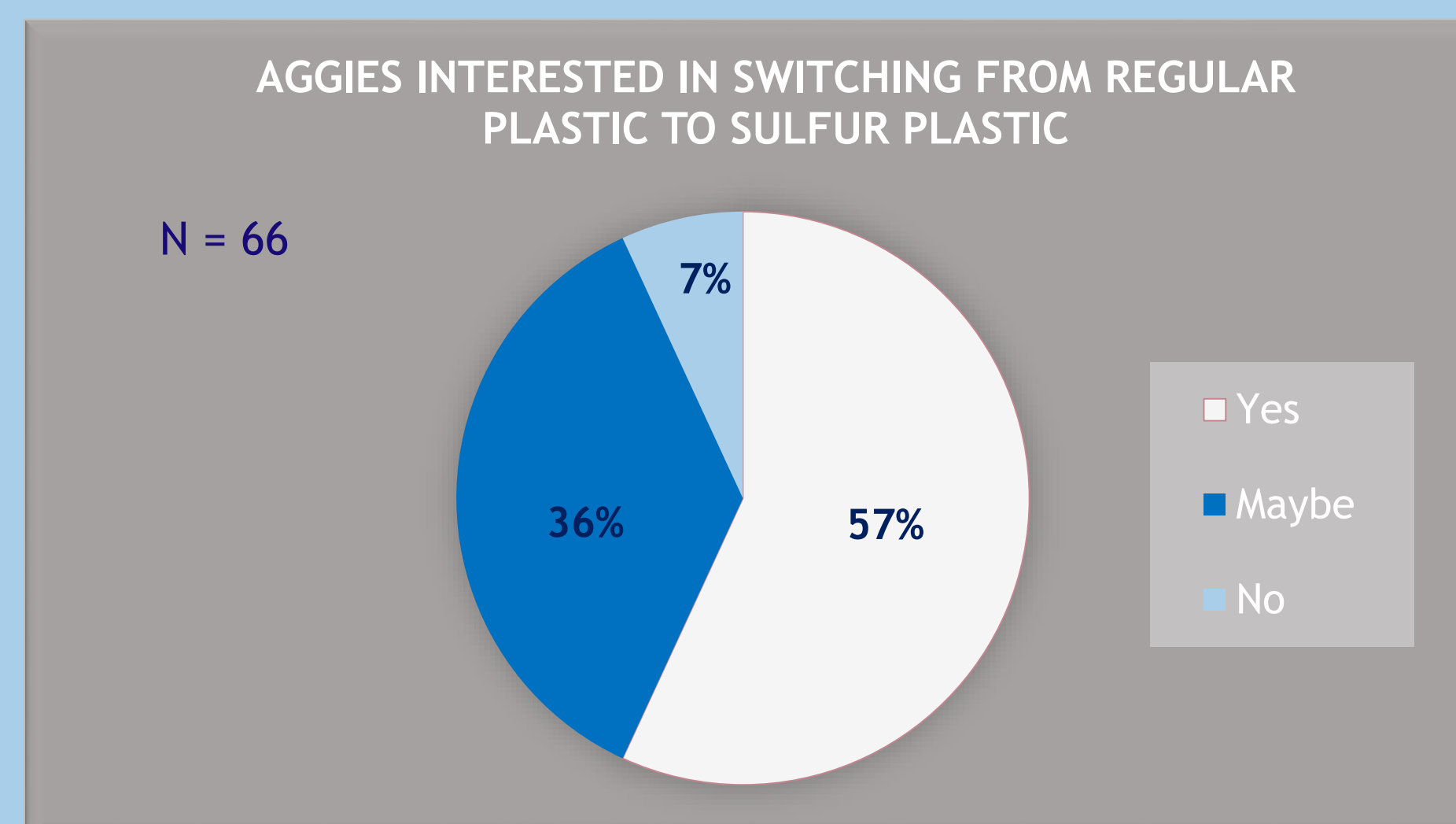
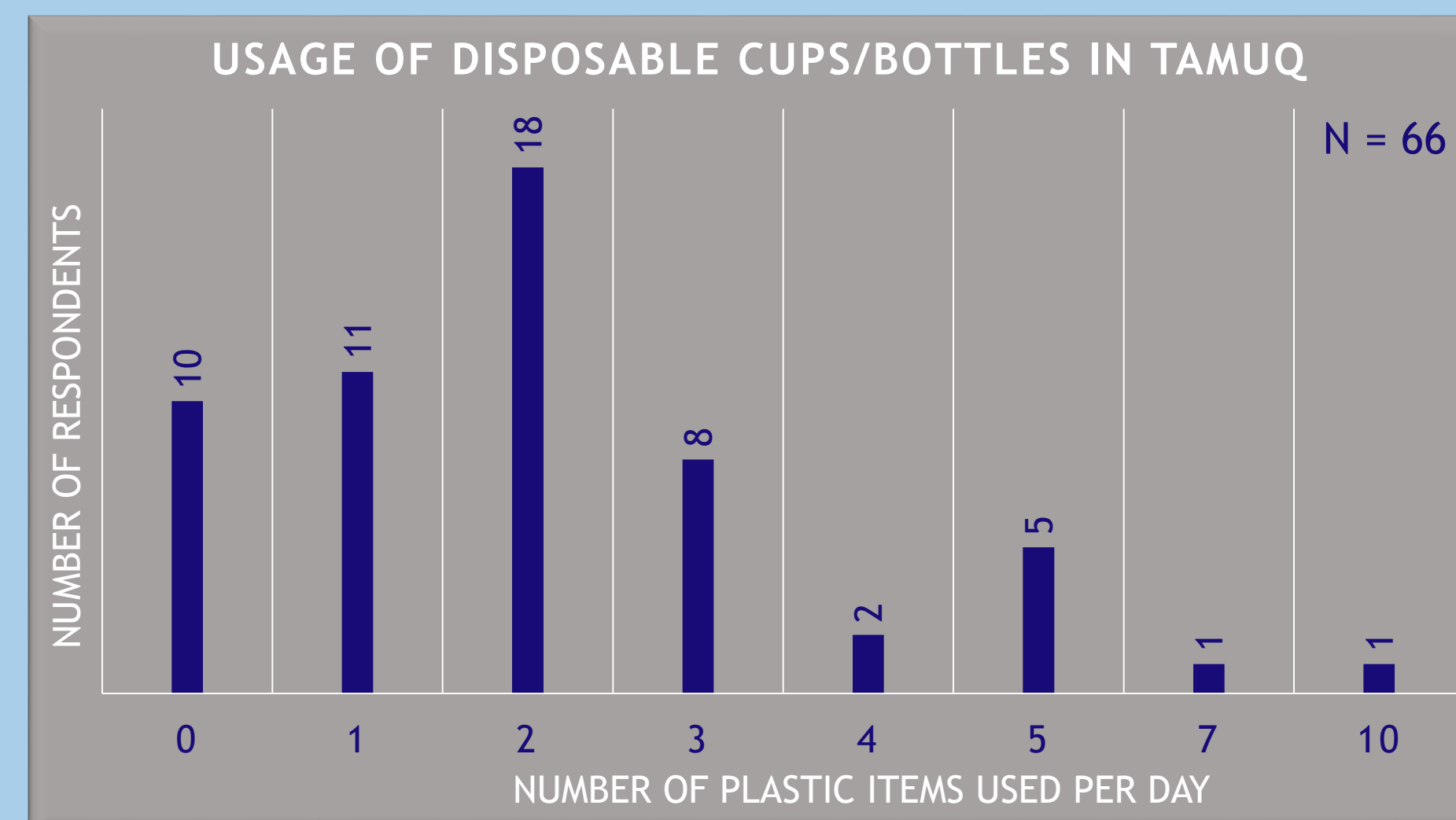
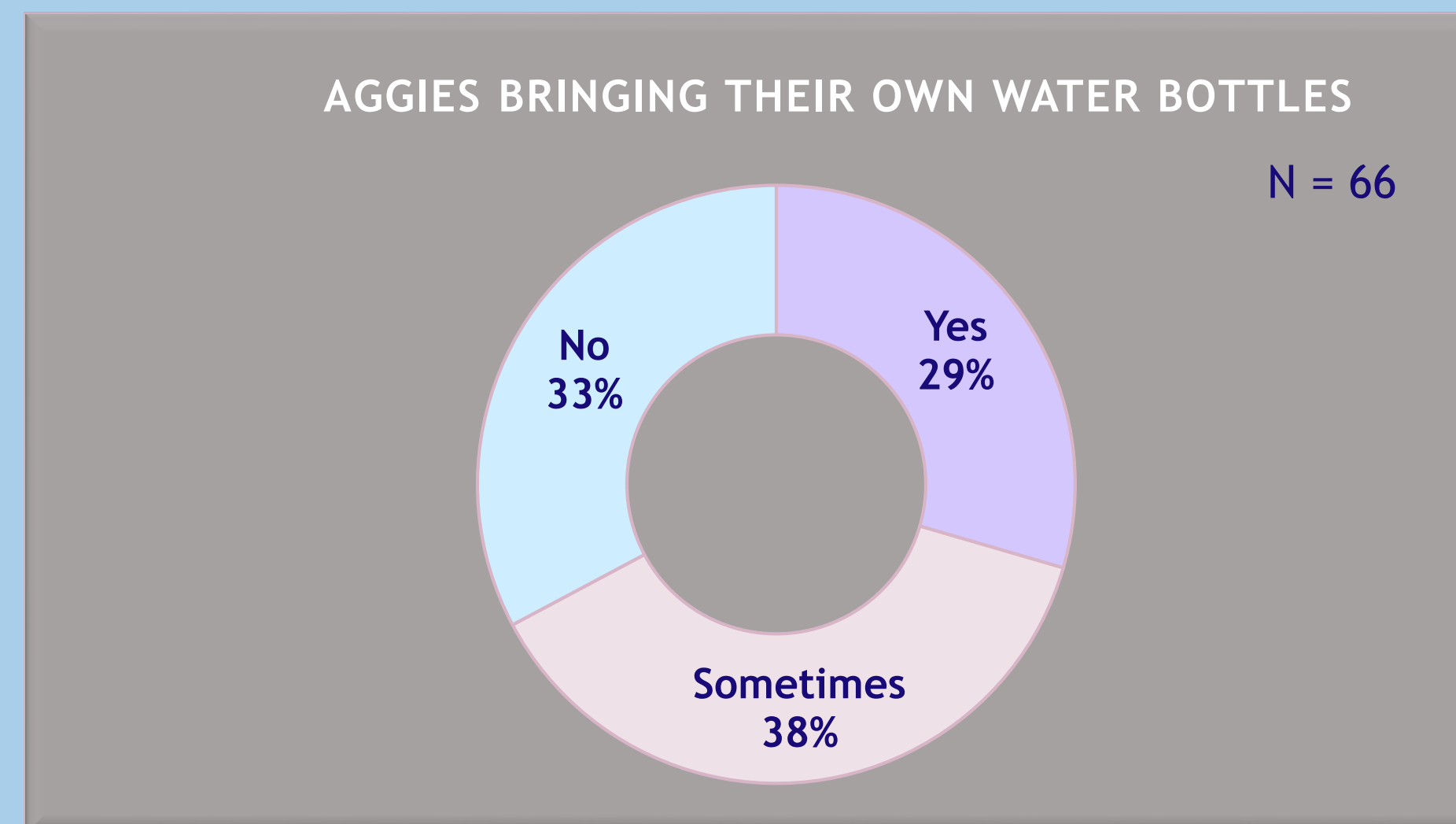
Problem

Excess use of regular plastic contributes to environmental pollution. Excess sulfur is obtained as a byproduct from the extraction of crude oil and exported to other countries.

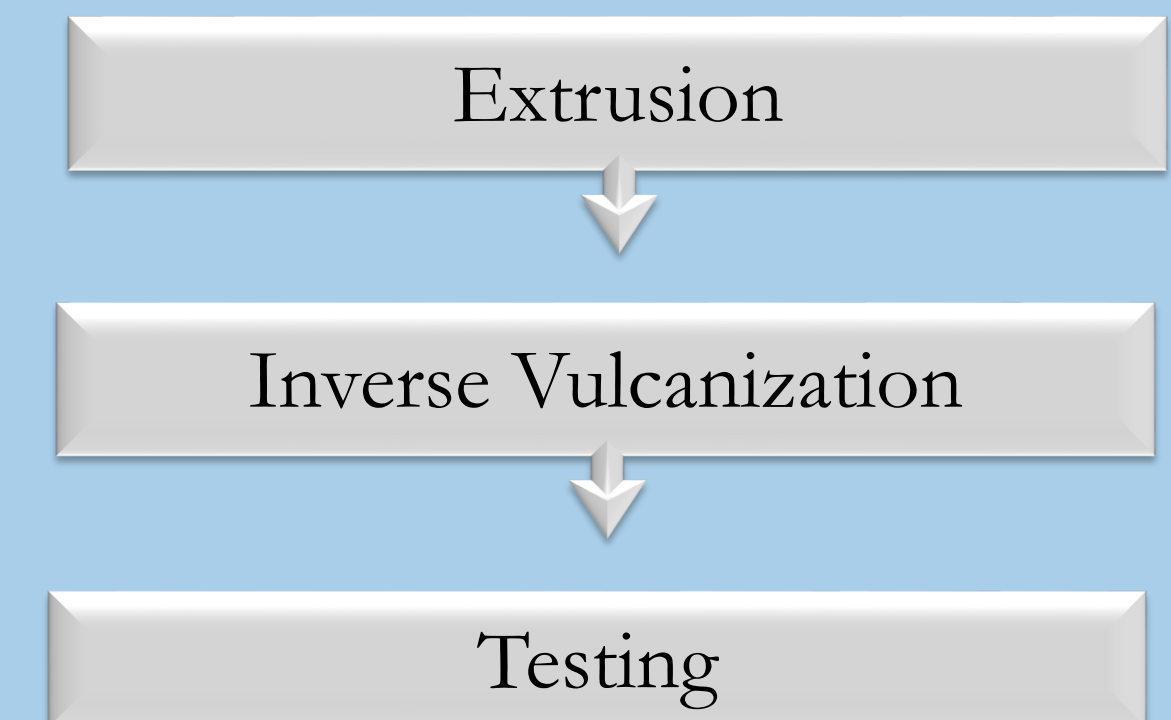


Figure 1: Plastic Pollution [1]

Data



Methods



Solution

A new kind of plastic that is made of sulfur polymers. Sulfur polymers will be used because they are easily degradable, durable and eco-friendly.

Future Work

- Perform leeching test.
- Explore some ways to make sulfur plastic suitable as a container for food and drinks.
- Make it a local product of Qatar.